

ABSTRACT

The invention relates to a sol-gel coating material containing (A) an acrylate copolymer solution containing at least one acrylate copolymer (A1); (B) a parent
5 varnish which can be prepared by hydrolysis and condensation of at least one hydrolysable silane (B1) of the general formula (I) SiR_4 , in which the variable R = hydrolysable groups, hydroxy groups and non-hydrolysable groups, provided that there should be at least one, preferably two, hydrolysable groups; and (C) an additive solution containing c1) at least one ethylenically unsaturated compound containing at
10 least one epoxide group; c2) at least one silane (B1) with at least one non-hydrolysable group R presenting at least one epoxide group; and c3) at least one adduct of at least one silane (B1) with at least one non-hydrolysable group R presenting at least one amino group and at least one cyclic ethylenically unsaturated dicarboxylic acid anhydride. The invention also relates to the use of said sol-gel
15 coating material for producing scratchproof sol-gel coatings.